

CLAIM AMENDMENTS

1. (Currently Amended) A disc-shaped eccentric rotor ~~having~~ comprising:
at least one wound air-core coil and at least one printed wiring air-core coil generating
a difference in centrifugal forces ~~by upon~~ the rotation of the rotor, ~~the rotor comprising~~;
a flat commutator member having a central shaft insertion through hole;
a plurality of commutator land segments located around the shaft insertion through
hole on a first side of the flat commutator member;
wound air-core coil end portion connection lands arranged circumferentially on a
second side of the flat commutator member;
a shaft holder installed around the shaft insertion through hole on the second side of
the flat commutator member; and
~~at least one a tungsten alloy eccentric weight no thicker than the wound air-core coil~~
on the second side of the flat commutator member and adhered with a resin to the flat
commutator member, wherein the wound air-core coil ~~installed at the wound air-core coil~~
~~arrangement guides and having end portions~~ is connected to the wound air-core coil end
portion connection lands, the air-core coils are radially arranged at an angular interval, and
the rotor has a circular shape.

Claim 2 (Cancelled).

3. (Currently Amended) The rotor as claimed in claim ~~2~~ 1, wherein the air-core coils
comprise one printed wiring air-core coil and two wound air-core coils, and the air-core coils
do not overlap one another.

4. (Currently Amended) The rotor as claimed in claim ~~2~~ 1, wherein the air-core coils
comprise two printed wiring air-core coils and one wound air-core coil, and the air-core coils
do not overlap one another.

5. (Currently Amended) The rotor as claimed in claim ~~11~~ 1, including wound air-
core coil arrangement guide apertures and reinforcement holes on the flat commutator
member, wherein the reinforcement holes and the wound air-core coil arrangement guide
apertures are respectively connected through grooves.

6. (Currently Amended) The rotor as claimed in claim ~~44~~ 1, wherein the air-core coils comprise two printed wiring air-core coils and one wound air-core coil, the air-core coils do not overlap one another, and the shaft holder and the wound air-core coil arrangement guides are integral with the flat commutator member.

Claim 7 (Cancelled).

8. (Currently Amended) The rotor as claimed in claim ~~7~~ 1, wherein at least one printed wiring coil is located at a position of the flat commutator member where the eccentric weight is located.

9. (Currently Amended) A flat vibrator motor comprising:
a ~~disc-shaped~~ circular eccentric rotor having at least one air-core coil and generating a difference in centrifugal forces by the rotation of the rotor,
a shaft supporting the eccentric rotor;
a magnet providing a magnetic field for the rotor via an axial gap between the magnet and the rotor,
a brush inside the magnet providing electric power to the air-core coil through the flat commutator member, and
a housing accommodating the rotor, the shaft, the magnet, and the brush.

10. (Previously Amended) The vibrator motor as claimed in claim 9, wherein the shaft is fixed at a first side of the housing and including a member for preventing the eccentric rotor from moving in a radial direction installed at a second side of the housing.

11. (Previously Added) The rotor as claimed in claim 1, further comprising wound air-core coil arrangement guides outside the shaft insertion through hole on the second side of the flat commutator member.